

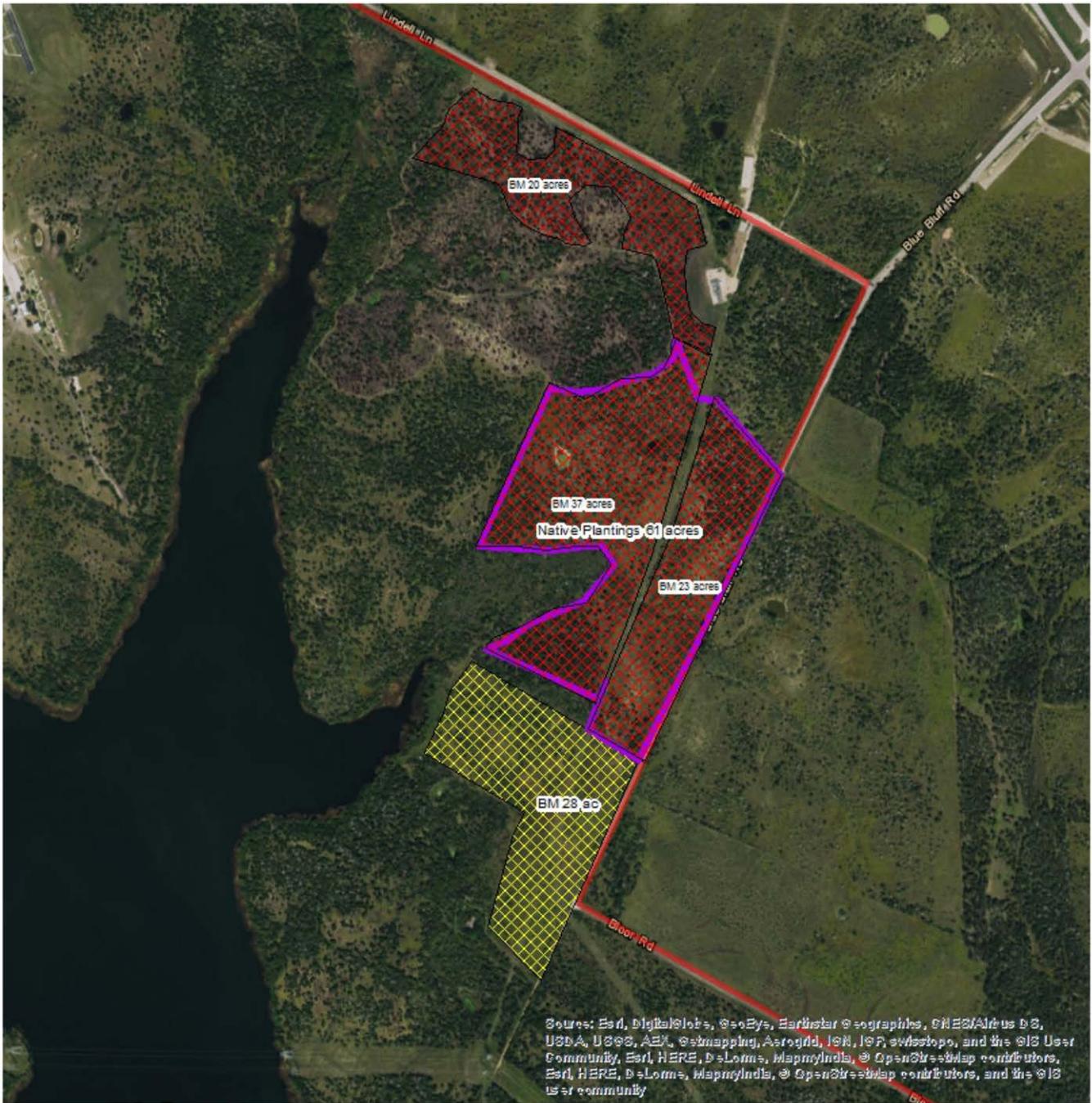
Indiangrass Wildlife Sanctuary Implementation Plan

Summary: Preserves Unit will meet with United States Fish and Wildlife Service (USFWS) to identify steps needed to implement habitat improvements on 108 acres of upland habitat at Indiangrass Wildlife Sanctuary. The scope of the project will include removal of juniper, mesquite, cactus and other woody plants invading grassland and woodland habitats at undesirable densities. Once woody plants have been removed, 61 acres of grassland habitat will be enhanced with localized plantings of native grasses and flowering plants to benefit native and migratory pollinators such as hummingbirds and the monarch butterfly. The area will require ongoing maintenance such as prescribed burns, continued mechanical removal of woody plants that sprout after initial treatment, and herbicide treatments to eliminate invasive species.

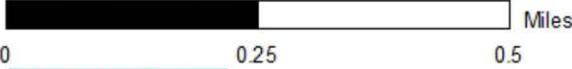
Throughout the lifetime of the agreement, USFWS will provide PARD Preserves Unit with technical assistance and monitoring. USFWS will provide a biologist to participate and collaborate with carrying out the scope of work, review and approve each stage of the process as they occur. Additionally USFWS will provide \$30,000 in financial assistance funds for payment of costs associated with brush management and seed planting.

Timeline:

- **August 2016** – Meet with USFWS to plan each stage of the project and identify specific timeline and items needed to complete to satisfy scope of the project.
- **September 2016 through February 2017** – Mechanically remove 31-50% of woody invaders. Individual plant treatment with herbicide on mesquite and exotic grasses.
- **February 2017** – Coordinate with Austin Fire Department Wildland Division to conduct a prescribed burn.
- **March 2017 through May 2017** – Seed planting with diverse mix of native grasses and heavy diversity of Forb seed (9 species) specific to pollinator friendly plants.
- **September 2017 through February 2018** – Follow up mechanical removal of root sprouting bush species and follow-up chemical application.
- **Summer of 2018, 2021, and 2024** – Coordinate follow-up prescribed burns with Austin Fire Department Wildland Division.
- **August 2026** – End of the habitat retention period. There are no obligations by PARD to USFWS after this date to ensure restored habitat is maintained.



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroX, Swmapping, AeroGRID, IGN, ISF, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

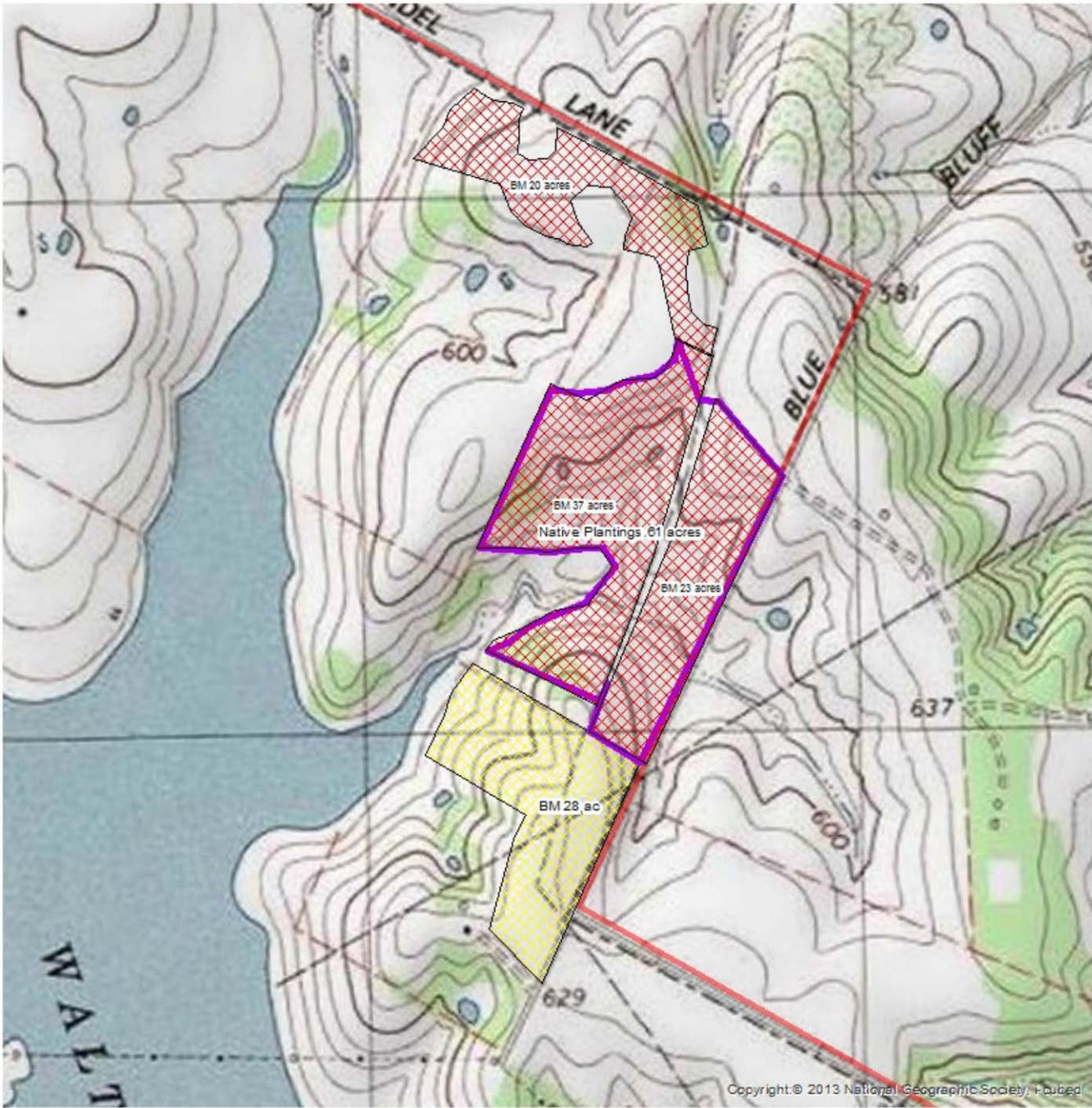


USFWS Austin TX
08 Jun 2016
Reference Scale:

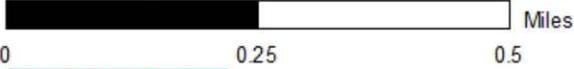
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**Travis County, Texas
Legend**

-  Brush_Management_N
-  Brush_Management_31-50%
-  Native_Grass_and_Forbs_Plantings
-  Brush_Management_11-30%
-  Project boundary



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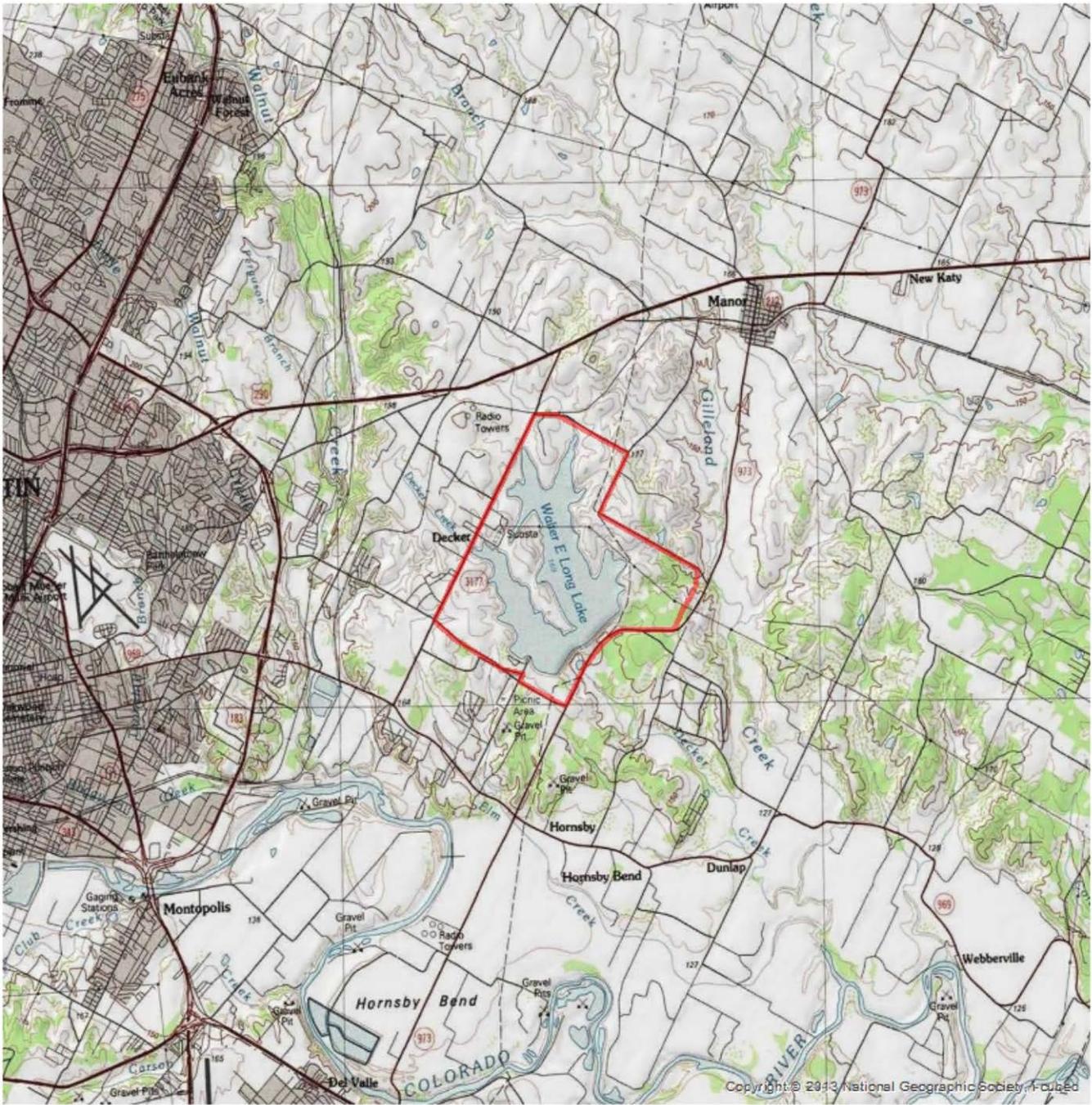
USFWS Austin TX
08 Jun 2016
Reference Scale:



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**Travis County, Texas
Legend**

-  Brush_Management_N
-  Brush_Management_31-50%
-  Native_Grass_and_Forbs_Plantings
-  Brush_Management_11-30%
-  Project boundary



Travis County, Texas



USFWS Austin TX
18 Apr 2016
Reference Scale:

1:102,322